

Title (en)

ROBOT SYSTEM AND METHOD FOR FORMING THREE-DIMENSIONAL MODEL OF WORKPIECE

Title (de)

ROBOTERSYSTEM UND VERFAHREN ZUR HERSTELLUNG EINES DREIDIMENSIONALEN MODELLS EINES WERKSTÜCKS

Title (fr)

SYSTÈME DE ROBOT ET PROCÉDÉ DE FORMATION D'UN MODÈLE TRIDIMENSIONNEL D'UNE PIÈCE À USINER

Publication

EP 4074474 A4 20240605 (EN)

Application

EP 20898730 A 20201211

Priority

- JP 2019225562 A 20191213
- JP 2020046282 W 20201211

Abstract (en)

[origin: EP4074474A1] A robot system (100) of the present disclosure includes a robot (101) installed in a workarea (201) and controlled by a second control device (112), a 3D camera (103) operated by an operator, a sensor (104) that is disposed in a manipulation area (202) that is a space different from the workarea (201), and wirelessly detects position information and posture information on the 3D camera (103), a display (105), and a first control device (111). The first control device (111) acquires image information on a workpiece (300) imaged by the 3D camera (103), acquires, from the sensor (104), the position information and the posture information when the workpiece (300) is imaged by the 3D camera (103), displays the acquired image information on the display (105), forms a three-dimensional model of the workpiece (300) based on the image information, and the acquired position information and posture information, displays the formed three-dimensional model on the display (105), and outputs first data that is data of the formed three-dimensional model to the second control device (112).

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

- [IA] US 2016257000 A1 20160908 - GUERIN KELLEHER [US], et al
- [IA] US 2017292827 A1 20171012 - HAVERKAMP NILS [DE]
- See also references of WO 2021117868A1

Designated contracting state (EPC)

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EP 20898730 A 20201211; CN 202080069455 A 20201211; JP 2020046282 W 20201211; JP 2021506354 A 20201211; US 202017784118 A 20201211